1.0

15

25

ORBITAL SANDER WITH SUCTION RING

TECHNICAL FIELD

This invention relates to a rotary orbital sander, and more particularly to a rotary orbital sander that is adapted for use with a vacuum source.

BACKGROUND OF THE INVENTION

Patent application serial number , NOWU.S. Patent No. 6,413,157
09/738,305 I disclosed a double action orbital sander having a sanding pad plurality of including a for radially extending suction channels sanding waste through holes in a sanding disk aligned with the annular channels. Although this arrangement effective for collecting has been very transporting loosened particles to a suction housing, I have improved upon the delivery of vacuum pressure provided through the holes in the sanding disk.

My earlier application also included a unique balancing system that uniquely balanced a pad backing and backing pad mounted on the rotatable shaft and minimized flapping of the pad backing and back up pad under the high rotational operational speed of the pad, that may be in excess of 10,000 rpm. While improving delivery of vacuum presence, I have further improved upon eliminating the flapping associated with the high speed rotation of a large diameter pad backing of a disk shape.

5/2014

MONKEY INDODU